

REMARKS/ARGUMENTS

Claims 2, 5-6, 9-12, and 36-38 are pending. By this Amendment, claims 2 and 9-12 are amended, claim 8 is canceled without prejudice or disclaimer, and claims 36-38 are added. No new matter is added. Support for the claims can be found throughout the specification, including the original claims, and the drawings. Reconsideration in view of the above amendments and following remarks is respectfully requested.

The Final Office Action dated December 8, 2009 (hereinafter “Final Office Action”) rejected claim 2 under 35 U.S.C. §103(a) as being unpatentable over Loprete et al. (hereinafter “Loprete”), U.S. Patent No. 6,591,621, and TaeDuk, U.S. Patent No. 5,285,646, as informed by Hix et al. (hereinafter “Hix”), U.S. Patent Publication No. 2003/0143083. It has been assumed for the purpose of this reply that the Examiner intended to reject claims 2 and 5-12 based on the text of this rejection. The features of claim 8 have been added to independent claim 2, and claim 8 has been canceled. The rejection is respectfully traversed insofar as it applies to claims 2, 5-6, and 9-12.

Independent claim 2 recites, *inter alia*, setting an operation range of a temperature sensor that senses a temperature inside the refrigerator according to the rotation direction of the compressor, and sensing the temperature inside the refrigerator according to the set operation range. It is respectfully submitted that Loprete, TaeDuk, and Hix, taken alone or in combination, do not disclose or suggest such features of independent claim 2, or the claimed combination.

That is, the Examiner acknowledged that Loprete does not disclose or suggest such features at page 7 of the Final Office Action. Further, with these claimed features, when the compressor is rotated in the first direction or the second direction, the number of times of turning on and off the compressor due to a difference in cooling capability according to the rotation direction of the compressor may be improved. Furthermore, because the temperature difference inside the refrigerator is reduced, power consumption may be reduced. Thus, these claimed features result in specific advantages over the prior art, and therefore, it would not have been obvious to modify Loprete as proposed by the Examiner.

Accordingly, the rejection of independent claim 2 over Loprete, TaeDuk, and Hix should be withdrawn. Dependent claims 5-6 and 9-12, as well as added claims 36-38, are allowable over Loprete, TaeDuk, and Hix at least for the reasons discussed above with respect to independent claim 2, from which they depend, as well as for their added features.

CONCLUSION

In view of the foregoing amendments and remarks, it is respectfully submitted that the application is in condition for allowance. Favorable consideration and prompt allowance are earnestly solicited.

If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney at the telephone number listed below.

Serial No. **10/577,429**

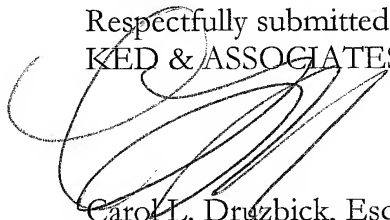
Docket No. **P-0777**

Amendment dated April 6, 2010

Reply to Office Action of December 8, 2009

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,
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Date: April 6, 2010

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